

Year 2 – Spring Block 2 – Statistics – Draw Pictograms (2, 5 and 10)

About This Resource:

This PowerPoint has been designed to support your teaching of this small step. It includes a starter activity and an example of each question from the Varied Fluency and Reasoning and Problem Solving resources also provided in this pack. You can choose to work through all examples provided or a selection of them depending on the needs of your class.

National Curriculum Objectives:

Mathematics Year 2: (2S1) [Interpret and construct simple pictograms, tally charts, block diagrams and simple tables](#)

More [Year 2 Statistics](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Step 4: Draw Pictograms (2, 5 and 10)

Introduction

Georgia is counting in 2s from 0 to 20. Has she done it correctly?



0, 2, 4, 6, 8, 10, 20, 22, 24, 26, 28

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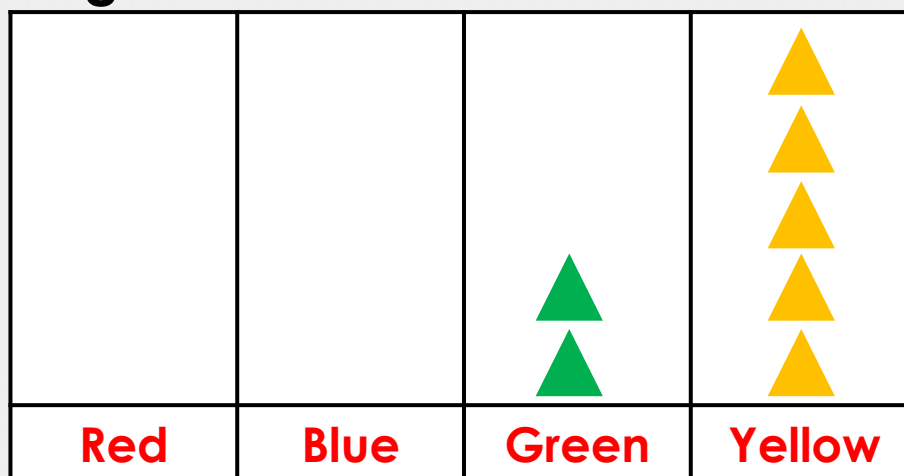
No, the correct order is: 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20.

Varied Fluency 1

A teacher wants to find out how many felt tip pens of each colour the class has. He collects this information:

Pen Colours	Number of Felt Tip Pens
Red	
Blue	
Green	
Yellow	

Complete the pictogram.



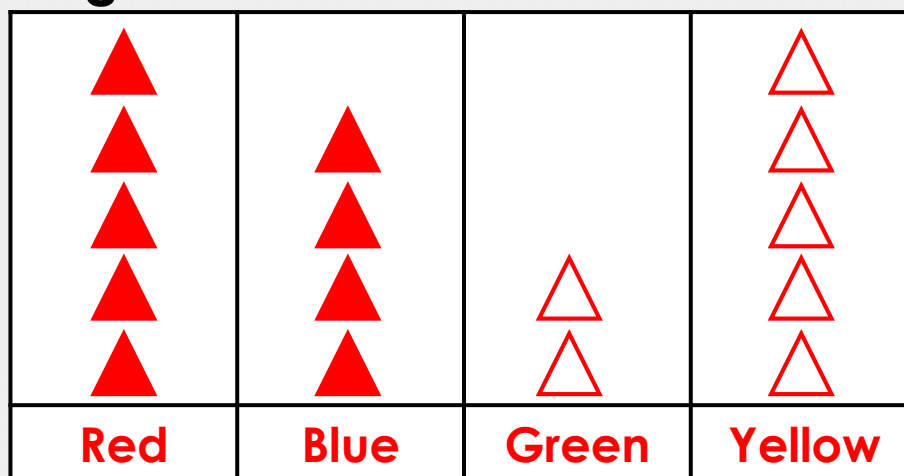
 = 5 pens

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Pen Colours	Number of Felt Tip Pens
Red	
Blue	
Green	
Yellow	

Complete the pictogram.



 = 5 pens

Varied Fluency 2

Complete the missing information.

Colour of Shoes	Number of Children
Black	
Brown	
Blue	
White	

			
Black	Brown	Blue	White

▲ = 10 shoes

Varied Fluency 2

Complete the missing information.

Colour of Shoes	Number of Children
Black	
Brown	
Blue	
White	

			
Black	Brown	Blue	White

 = 10 shoes

Problem Solving 1

A class is collecting information.



**There are 2 more
slugs than snails.**

**Only 3 children saw a
ladybird.**



**There are 2 more snails
than butterflies.**



**12 children saw
butterflies.**



Create a pictogram to display this information where one picture represents 2 minibeasts.

Problem Solving 1

A class is collecting information.



There are 2 more
slugs than snails.

Only 3 children saw a
ladybird.



There are 2 more snails
than butterflies.



12 children saw
butterflies.



● = 2 minibeasts

Minibeast	Number of Minibeasts
Slugs	● ● ● ● ● ● ● ●
Snails	● ● ● ● ● ● ●
Ladybird	● ◐
Butterflies	● ● ● ● ● ●

Create a pictogram to display this information where one picture represents 2 minibeasts.

Reasoning 1

Sam is drawing a pictogram to show Year 2's favourite author.

Author	Number of Children 1 picture = 10 children
Julia Donaldson	
Roald Dahl	
David Walliams	● ●
Dick King-Smith	● ● ● ●

Sam says,

I must draw 15 circles to show 30 children prefer Roald Dahl.



Is he right? Explain your answer.

Reasoning 1

Sam is drawing a pictogram to show Year 2's favourite author.

Author	Number of Children 1 picture = 10 children
Julia Donaldson	
Roald Dahl	
David Walliams	● ●
Dick King-Smith	● ● ● ●

Sam says,

I must draw 15 circles to show 30 children prefer Roald Dahl.

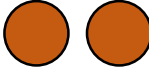
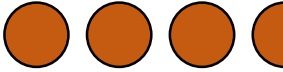


Is he right? Explain your answer.

Sam is not right because...

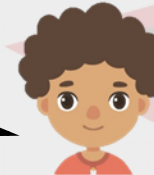
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Is he right? Explain your answer.

Sam is not right because 1 picture = 10 children. He must draw 1 and a half pictures.

Problem Solving 2

Ben is drawing a pictogram where ● = 5 children.

Favourite Subject	Number of Children
Maths	● ●
English	● ● ●
Science	○ ○ ○ ○
PE	○ ○ ○ ○ ○ ○

Ben knows more children like English than Maths, but fewer children like English than Science.

How many children like English?

Complete the pictogram.

Various possible answers, including: 15 children like English and 10 like Maths. 10 children like English and 5 like Maths. 5 children like English and 0 like Maths.